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The Society of the
Plastics Industry, Inc.

Monthly Statistical Report-Resins

SPI

1275 K Street, N.W., #400
Washington, D.C. 20005
(202) 371-5200

FOR THE MONTH AND PERIOD ENDED

OCTOBER 31, 1990

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING & THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

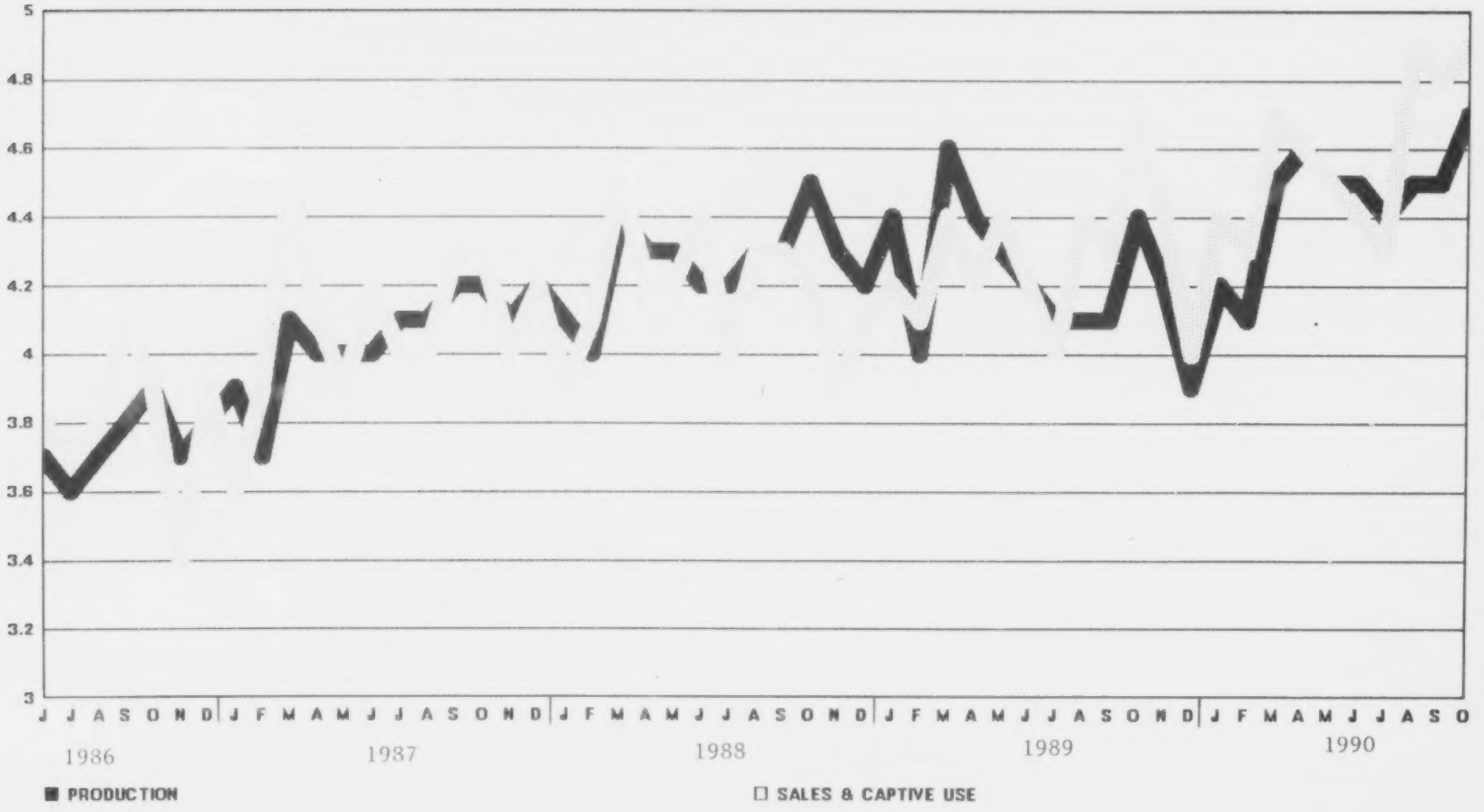
Release Date: December 17, 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(BILLIONS OF POUNDS)

OCTOBER 1990



THE SOCIETY OF THE PLASTICS INDUSTRY, INC. CRS

MONTHLY STATISTICAL REPORT

(Thousands of pounds, dry weight basis)(1) OCTOBER 1990

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	44,339	40,065	10.7	411,146 R	410,987	0.0	39,279	34,186	14.9	423,929 R	428,775	-1.1
POLYESTER (UNSATURATED) RESINS, TOTAL	103,110	111,058	-7.2	1,063,136 R	1,121,681	-5.2	101,234	115,273	-12.2	1,071,931	1,134,235	-5.5
UREA RESINS, TOTAL	127,147	141,804	-10.3	1,240,293	1,224,718	1.3	133,329	143,127	-6.8	1,290,046	1,232,165	4.7
MELAMINE RESINS, TOTAL	15,708	18,632	-15.7	148,068	181,835	-18.6	18,468	18,853	-2.0	169,652	187,914	-9.7
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	262,850	259,075	1.5	2,513,945	2,413,829	4.1	261,971	264,963	-1.1	2,531,004	2,431,796	4.1
THERMOSETTING RESINS, TOTAL	553,154	570,634	-3.1	5,376,588 R	5,353,050	0.4	554,281	576,402	-3.8	5,486,562 R	5,414,885	1.3
LOW-DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	683,539	637,627	7.2	6,012,579 R	5,719,403	5.1	647,355	557,326	16.2	6,064,238	5,493,788	10.4
LINEAR-LOW DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	455,088	390,274	16.6	3,949,863 R	3,142,584	25.7	323,854	282,495	14.6	3,135,474	2,571,831	21.9
HIGH-DENSITY POLYETHYLENE (ABOVE 0.940), TOTAL	805,639	777,858	3.6	7,128,121 R	6,818,302	4.5	754,465	701,291	7.6	6,855,764 R	6,846,100	0.1
POLYPROPYLENE, TOTAL	712,727	677,408	5.2	6,898,907	6,094,912	13.2	704,345	643,024	9.5	6,870,156 R	6,070,866	13.2
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	109,386	113,274	-3.4	1,010,662	1,049,062	-3.7	118,936	103,483	14.9	993,432	1,103,101	-9.9
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	14,148	10,309	37.2	116,723	93,060	25.4	14,243	9,664	47.4	113,845	98,450	15.6
POLYSTYRENE RESINS, TOTAL	447,277	451,813	-1.0	4,396,790	4,342,259	1.3	430,502	429,051	0.3	4,239,050	4,287,812	-1.1
STYRENE BASED LATEXES, TOTAL ***	93,823	90,894	3.2	914,016	868,756	5.2	88,673	92,737	-4.4	865,480	835,559	3.6
OTHER STYRENICS, TOTAL (40% or More Styrene)	12,138	13,351	-9.1	127,112	130,056	-2.3	12,588	10,310	22.1	119,307	117,270	1.7
NYLON RESINS (6)	51,076	52,203	-2.2	486,615	489,873	-0.7	51,039	49,838	2.4	481,976	482,122	0.0
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	814,441	776,698	4.9	7,731,515 R	7,149,698	8.1	801,046	721,712	11.0	7,621,890 R	7,122,489	7.0
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
POLYVINYL ALCOHOL, TOTAL (3)	D	D		D	D		D	D		D	D	
OTHER VINYL RESINS (4)	15,480	17,540	-11.7	157,813	167,295	-5.7	19,979	18,430	8.4	184,509	184,944	-0.2
THERMOPLASTIC POLYESTER, TOTAL (6)	156,953	144,458	8.6	1,575,224	1,413,159	11.5	151,954	147,656	2.9	1,553,077	1,357,518	14.4
THERMOPLASTIC RESINS, TOTAL	4,371,715	4,153,707	5.2	40,505,940 R	37,478,419	8.1	4,118,979	3,767,017	9.3	39,098,198 R	36,571,850	6.9
GRAND TOTAL	4,924,869	4,724,341	4.2	45,882,528 R	42,831,469	7.1	4,673,260	4,343,419	7.6	44,584,760 R	41,986,735	6.2

(1) = Except phenolic resins which are reported on a gross weight basis.

*** = Sales and Captive Use figures include some Canadian produced materials.

(2) = The publishing of PVAC has been suspended.

D = Disclosure.

N/A = Not Available.

(3) = The publishing of PVOH data has been suspended.

(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

(6) = Data Includes Sales from Imports.

R = Revision.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS) PAGE 2

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THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	44,339	40,065	10.7	411,146 R	410,987	0.0	39,279	34,186	14.9	423,979 R	428,775	-1.1
Exports, Total	8,147	4,522	80.2	69,670 R	72,045	-3.3						
Captive Use, Total	1,352	1,802	-25.0	13,708	15,355	-10.7						
Domestic Sales, Total	34,840	33,741	3.3	327,768 R	323,587	1.3						
Domestic Sales & Captive Use,Total	36,192	35,543	1.8	341,476 R	338,942	0.7						
Bonding & Adhesives	2,439	2,210	10.4	24,089 R	21,168	13.8						
Flooring, Paving & Exposed Aggregate	2,076	2,399	-13.5	23,041 R	21,056	9.4						
Protective Coatings	17,794	17,704	0.5	169,304 R	163,926	3.3						
Fiber Reinforced Laminates & Composites	7,452	6,696	11.3	69,784 R	71,346	-2.2						
FRL&C for Printed Wiring Board	4,867	4,424	10.0	45,351 R	49,046	-7.5						
All Other FRL&C	2,585	2,272	13.8	24,433 R	22,300	9.6						
Tooling, Casting & Molded Resins	2,882	2,430	18.6	24,209 R	25,666	-5.7						
All Other Uses	3,549	4,104	-13.5	31,049 R	35,780	-13.2						
POLYESTER (UNSATURATED) RESINS, TOTAL (E)	103,110	111,058	-7.2	1,063,136 R	1,121,681	-5.2	101,234	115,273	-12.2	1,071,931	1,134,235	-5.5
Total Exports	2,060	1,816	13.4	18,356	21,223	-13.5						
Total Domestic	101,050	109,242	-7.5	1,044,780 R	1,100,458	-5.1						
General Purpose Resins, Total	84,679	92,828	-8.8	895,634 R	948,455	-5.6						
General Purpose - Thixotropic	29,801	38,286	-22.2	340,698	418,435	-18.6						
General Purpose - Press Molding	12,991	12,175	6.7	121,809	110,624	10.1						
General Purpose - Panel	7,508	N/A		70,945	N/A							
General Purpose - All Other	34,379	42,367	-18.9	362,182 R	419,396	-13.6						
Flame Retardant Resins	2,175	2,095	3.8	20,518	20,042	2.4						
Chemical Resistant Resins, Total	14,196	14,319	-0.9	128,628 R	131,961	-2.5						
Chemical Resistant Isophthalic Resins	9,694	10,441	-7.2	90,424	99,256	-8.9						
All Other Chemical Resistant Resins	4,502	3,878	16.1	38,204 R	32,705	16.8						
Reinforced Plastic, Total	74,686	79,794	-6.4	770,730 R	821,937	-6.2						
Non-Reinforced Plastics, Total	26,364	29,448	-10.5	274,050 R	278,521	-1.6						

(E) = Estimate - Data includes estimates for one company.

N/A = Not Available

R = Revision

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)(1)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
UREA RESINS, TOTAL	127,147	141,804	-10.3	1,240,293	1,224,718	1.3	133,329	143,127	-6.8	1,290,046	1,232,165	4.7
MELAMINE RESINS, TOTAL	15,708	18,632	-15.7	148,068	181,835	-18.6	18,468	18,853	-2.0	169,652	187,914	-9.7
UREA & MELAMINE RESINS, TOTAL	142,855	160,436	-11.0	1,388,361	1,406,553	-1.3	151,797	161,980	-6.3	1,459,698	1,420,079	2.8
Total Exports	D1	D1		D1	D1							
Total Domestic	142,855	160,436	-11.0	1,388,361	1,406,553	-1.3						
Textile Coating & Treating Resins	2,286	2,024	12.9	21,173	21,021	0.7	4,420	2,644	67.2	38,964	26,362	47.8
Paper Coating & Treating Resins	4,738	5,716	-17.1	49,191	52,719	-6.7	4,794	5,783	-17.1	50,660	54,279	-6.7
Molding Compounds	D2	D2		D2	D2		D2	D2		D2	D2	
Bonding & Adhesive Resins for:	111,395	125,959	-11.6	1,087,263	1,127,374	-3.6	115,537	125,673	-8.1	1,130,417	1,121,356	0.8
Laminating	1,625	5,311	-69.4	16,489	64,280	-74.3	1,699	4,753	-64.3	17,178	55,135	-68.8
Plywood	5,265	5,251	0.3	50,396	56,954	-11.5	5,184	5,015	3.4	50,801	58,340	-12.9
Fibrous & Granulated Wood (Particle Board)	104,505	115,397	-9.4	1,020,378	1,006,140	1.4	108,654	115,905	-6.3	1,062,438	1,007,881	5.4
Protective Coatings (Straight & Modified)	9,224	9,422	-2.1	87,833	92,228	-4.8	12,806	11,106	15.3	114,665	114,951	-0.2
All Other Uses	15,212	17,315	-12.1	142,901	113,211	26.2	14,240	16,774	-15.1	124,992	103,131	21.2
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	262,850	259,075	1.5	2,513,945	2,413,829	4.1	261,971	264,963	-1.1	2,531,004	2,431,796	4.1
Total Exports	1,332	1,668	-20.1	19,740	15,115	30.6						
Total Domestic	261,518	257,407	1.6	2,494,205	2,398,714	4.0						
Molding Compounds	15,082	15,003	0.5	143,329	150,319	-4.7	15,873	15,738	0.9	157,072	160,603	-2.2
Bonding & Adhesive Resins for:	242,221	236,908	2.2	2,316,402	2,211,655	4.7	241,395	241,357	0.0	2,334,069	2,229,708	4.7
Laminating	15,202	20,414	-25.5	146,154	185,011	-21.0	15,174	22,225	-31.7	146,591	190,750	-23.2
Coated & Bonded Abrasives	2,463	854	188.4	22,728	20,250	12.2	2,008	859	133.8	21,796	21,808	-0.1
Friction Materials	4,650	5,409	-14.0	40,348	34,587	16.7	3,969	7,107	-44.2	40,579	36,661	10.7
Insulation Materials	36,833	36,506	0.9	345,753	353,564	-2.2	38,250	36,716	4.2	356,885	358,201	-0.4
Foundry & Shell Molding	8,056	7,969	1.1	68,002	45,973	47.9	8,118	8,043	0.9	68,011	46,608	45.9
Plywood	D3	126,527		D3	1,232,192		D3	126,264		D3	1,232,297	
Fibrous and Granulated Wood	D3	D3		D3	D3		D3	D3		D3	D3	
Resins Sold to Rubber Industry	D3	700		D3	11,732		D3	786		D3	12,288	
All Other	175,017	38,529	N/C	1,693,417	328,346	N/C	173,876	39,357	N/C	1,700,207	331,095	N/C
Protective Coatings - Unmodified & Modified	D2	607		D2	10,550		D2	610		D2	10,252	
Resins Sold to Rubber Ind. - Non Adhesive Uses	D2	D2		D2	D2		D2	D2		D2	D2	
All Other Uses	4,215	4,889	N/C	34,474	26,190	N/C	4,703	7,258	N/C	39,863	31,233	N/C

D1 = Disclosure: Included in Domestic, Total and All Other Uses.
D2 = Disclosure: Included in All Other Uses.
D3 = Disclosure: Included in All Other Bonding & Adhesive Resins.

(1) = Phenolic is on a Gross Weight Basis.
N/C = Not Comparable.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
LOW DENSITY POLYETHYLENE - 0.940 & BELOW, TOTAL (6)	683,539	637,627	7.2	6,012,579 R	5,719,403	5.1	665,014	573,527	16.0	6,224,140	5,589,649	11.4
Imports, Total							17,659	16,201	9.0	159,902	95,861	66.8
Exports, Total	87,998	80,325	9.6	711,782 R	751,333	-5.3						
Domestic, Total	595,541	557,302	6.9	5,300,797 R	4,968,070	6.7	647,355	557,326	16.2	6,064,238	5,493,788	10.4
Film (12 Mils & Below)	364,131	334,607	8.8	3,152,981 R	2,850,316	10.6						
Packaging Film	246,521	232,234	6.2	2,148,317	1,942,130	10.6						
Food Packaging Film	112,643	108,753	3.6	995,392	926,213	7.5						
Non-Food Packaging Film	104,464	98,753	5.8	909,347	815,724	11.5						
Shrink Film	18,013	D10		137,447	D10							
Stretch Film	11,401	24,728	N/C	106,131	200,193	N/C						
Non-Packaging Film	117,610	102,373	14.9	1,004,664 R	908,186	10.6						
Carry-Out Bags	19,099	6,980	173.6	124,639	92,201	35.2						
Trash and Can Liners	36,993	36,341	1.8	316,720	320,508	-1.2						
Other Non-Packaging Film	61,518	59,052	4.2	563,305 R	495,477	13.7						
Sheet (Over 12 Mils)	6,130	4,512	35.9	61,030 R	67,903	-10.1						
Injection Molding	36,688	35,481	3.4	319,655 R	337,085	-5.2						
Injection Molded Lids	7,856	5,019	56.5	68,818	43,809	57.1						
Injection Molded Housewares	5,078	5,015	1.3	41,907	43,867	-4.5						
Other Injection Molding	23,754	25,447	-6.7	208,930 R	249,409	-16.2						
Wire and Cable	18,434	D5		198,986 R	D5							
Extrusion Coating	75,642	D5		648,193 R	D5							
Blow Molding	6,149	4,901	25.5	52,327	52,270	0.1						
Pipe and Conduit, Total	D5	D5		D5	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	8,474	92,381	N/C	77,872 R	884,884	N/C						
Rotomolding	D2	D2		D2	D2							
Resellers & Compounders, Total	50,330	46,257	8.8	483,015 R	450,646	7.2						
Resellers	34,666	30,738	12.8	337,558 R	342,442	-1.4						
Compounders	15,664	15,519	0.9	145,457 R	108,204	34.4						
Adhesives and Sealants	10,461	D2		91,904	D2							
All Other Uses	19,102	39,163	N/C	214,834 R	324,966	N/C						

D2 = Disclosure: Included in All Other Uses.
D5 = Disclosure: Included in Other Extruded Products.
R = Revision.
D10 = Disclosure: Included in Stretch Film.
(6) = Sales Include Imports.
D = Disclosure
N/C = Not Comparable

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THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
LINEAR LOW DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	455,088	390,274	16.6	3,949,863 R	3,142,584	25.7	399,652	343,614	16.3	3,862,430 R	3,117,526	23.9
Imports, Total							75,798	61,119	24.0	726,956 R	545,695	33.2
Exports, Total	30,368	17,220	76.4	203,043	132,949	52.7						
Domestic, Total	424,720	373,054	13.8	3,746,820 R	3,009,635	24.5	323,854	282,495	14.6	3,135,474	2,571,831	21.9
Film (12 Mils & Below)	288,182	245,111	17.6	2,466,348	1,925,769	28.1						
Packaging Film	126,133	110,357	14.3	1,068,771	884,895	20.8						
Food Packaging Film	24,372	17,857	36.5	189,607	157,184	20.6						
Non-Food Packaging Film	70,784	64,454	9.8	598,133	501,713	19.2						
Shrink Film	D10	D10		D10	D10							
Stretch Film	30,977	28,046	10.5	281,031	225,998	24.4						
Non-Packaging Film	162,049	134,754	20.3	1,397,577	1,040,874	34.3						
Carry-Out Bags	26,295	18,962	38.7	210,238	160,523	31.0						
Trash and Can Liners	103,384	95,997	7.7	913,942	712,374	28.3						
Other Non-Packaging Film	32,370	19,795	63.5	273,397	167,977	62.8						
Sheet (Over 12 Mils)	3,053	1,035	195.0	17,207	24,344	-29.3						
Injection Molding	52,178	39,853	30.9	462,118	362,800	27.4						
Injection Molded Lids	15,329	19,636	-21.9	154,142	172,740	-10.8						
Injection Molded Housewares	25,689	13,178	94.9	202,182	129,608	56.0						
Other Injection Molding	11,160	7,039	58.5	105,794	60,452	75.0						
Wire and Cable	9,344	D5		116,337	D5							
Extrusion Coating	D5	D5		D5	D5							
Blow Molding	1,998	2,127	-6.1	23,048 R	15,640	47.4						
Pipe and Conduit, Total	3,197	D5		47,328	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	2,371	18,669	N/C	26,417	195,413	N/C						
Rotomolding	26,319	D2		270,750 R	D2							
Resellers & Compounders, Total	32,655	27,553	18.5	214,240	168,212	27.4						
Resellers	16,226	20,365	-20.3	104,510	120,004	-12.9						
Compounders	16,429	7,188	128.6	109,730	48,208	127.6						
Adhesives and Sealants	D2	D2		D2	D2							
All Other Uses	5,423	38,706	N/C	103,027	317,457	N/C						

D2 = Disclosure: Included in All Other Uses.
D5 = Disclosure: Included in Other Extruded Products.
D10 = Disclosure: Shrink Film is Included in Stretch Film.

(6) = Sales Include Imports.

D = Disclosure
N/C = Not Comparable
R = Revision

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(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
HIGH DENSITY POLYETHYLENE - ABOVE 0.940, TOTAL	805,639	777,858	3.6	7,128,121 R	6,818,302	4.5	754,465	701,291	7.6	6,855,764 R	6,846,100	0.1
Exports, Total	67,409	92,812	-27.4	567,254 R	772,735	-26.6						
Domestic, Total	738,230	685,046	7.8	6,560,867 R	6,045,567	8.5						
Film (12 Mils & Below)	89,766	83,556	7.4	759,966 R	666,786	14.0						
Packaging Film	21,351	20,082	6.3	205,287 R	166,675	23.2						
Food Packaging Film	15,525	13,801	12.5	144,143 R	115,724	24.6						
Non-Food Packaging Film	5,826	6,281	-7.2	61,144 R	50,951	20.0						
Non-Packaging Film	68,415	63,474	7.8	554,679 R	500,111	10.9						
Retail Bags	50,280	31,599 F	N/C	409,546 R	250,344 F	N/C						
Grocery Sacks & T-Shirt Bags	21,603	N/A		196,143	N/A							
All Other Retail Bags	9,811	N/A		66,503	N/A							
Trash Bags/Can Liners	18,866	D9		146,900 R	D9							
All Other Non-Packaging Film	18,135	31,875	N/C	145,133 R	249,767	N/C						
Sheet (Over 12 Mils)	32,257	21,116	52.8	323,405	256,537	26.1						
Injection Molding, Total	155,860	140,482	10.9	1,339,852	1,205,927	11.1						
Pails (5 gallons or less)	41,192	40,571	1.5	370,894	362,977	2.2						
Housewares	8,388	9,180	-8.6	91,003	91,846	-0.9						
Food Tubs/Containers & Drink Cups	27,526	30,620	-10.1	263,878	215,968	22.2						
Crates and Totes	20,586	19,542	5.3	176,446	145,855	21.0						
Toys/Novelties/Sporting Goods	4,432	N/A		49,303	N/A							
Caps and Closures	10,065	N/A		91,664	N/A							
All Other Injection Molding	43,671	40,569	N/C	296,664	389,281	N/C						
Wire and Cable	12,979	13,733	-5.5	141,841	131,747	7.7						
Blow Molding, Total	274,052	268,343	2.1	2,431,867 R	2,430,331	0.1						
Motor Oil Bottles	25,222	18,996	32.8	194,638	165,028	17.9						
Liquid Food Bottles	86,153	79,216	8.8	797,325	751,697	6.1						
Household Chemical Bottles	84,219	84,692	-0.6	767,703	748,906	2.5						
Industrial Drums	14,638	26,269 G	N/C	115,685	220,730 G	N/C						
Gas Tanks, All Uses	4,323	N/A		30,840	N/A							
Pharm., Cosmetics, & Toiletries	19,969	N/A		189,010 R	N/A							
All Other Blow Molding	39,528	59,170	N/C	336,666	543,970	N/C						
Pipe and Conduit, Total	53,769	47,884	12.3	473,248	415,494	13.9						
Corrugated	8,692	11,549	-24.7	87,313	80,451	8.5						
Non-Corrugated	45,077	36,335	24.1	385,935	335,043	15.2						
Gas Distribution	13,943	N/A		122,390	N/A							
Water	D11	N/A		D11	N/A							
Industrial/Sewer	D11	N/A		D11	N/A							
All Other Non-Corrugated Pipe	31,134	N/A		263,545	N/A							
Other Extruded Products	7,834	4,703	66.6	73,643	55,313	33.1						
Rotomolding	8,252	6,884	19.9	62,669	58,893	6.4						
Reseller & Compounders, Total	81,062	79,691	1.7	704,603 R	603,638	16.7						
Resellers	76,499	74,516	2.7	658,826 R	550,540	19.7						
Compounders	4,563	5,175	-11.8	45,777	53,098	-13.8						
All Other HDPE	22,399	18,654	20.1	249,773 R	220,901	13.1						

D9 = Disclosure: Included in Other Non-Packaging Film.
D11 = Disclosure: Included in All Other Non-Corrugated Pipe.
N/C = Not Comparable.
N/A = Not Available
R = Revision
F = Reported as Carry Out Bags in 1989.
G = Reported as Large Containers in 1989.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYPROPYLENE, TOTAL	712,727	677,408	5.2	6,898,907	6,094,912	13.2	704,345	643,024	9.5	6,870,156 R	6,070,866	13.2
Exports, Total	132,990	123,434	7.7	1,284,128	938,123	36.9						
Domestic, Total	579,737	553,974	4.7	5,614,779	5,156,789	8.9						
Injection Molding, Total	171,561	153,749	11.6	1,645,658	1,509,557	9.0						
Appliances	17,642	14,723	19.8	152,471	137,541	10.9						
Consumer Products	56,813	53,646	5.9	545,578	475,223	14.8						
Rigid Packaging	54,900	47,316	16.0	548,330	508,669	7.8						
Transportation	25,661	23,161	10.8	249,795	231,021	8.1						
All Other Injection Molding	16,545	14,903	11.0	149,484	157,103	-4.8						
Blow Molding	11,240	11,698	-3.9	123,389	106,002	16.4						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below), Total	59,205	46,903	26.2	504,863	496,088	1.8						
Oriented Film	48,844	35,890	36.1	410,220	383,146	7.1						
Non-Oriented Film	10,361	11,013	-5.9	94,643	112,942	-16.2						
Sheet (Over 10 Mils), Total	12,343	11,474	7.6	113,896	106,468	7.0						
Packaging	D	N/A		D	N/A							
Non-Packaging	D	N/A		D	N/A							
Extrusion Coating	1,533	D5		17,256	D5							
Wire and Cable	D5	D5		D5	D5							
Fiber and Filaments, Total	166,994	176,745	-5.5	1,760,711	1,673,178	5.2						
Textile Applications	159,155	167,364	-4.9	1,661,671	1,587,380	4.7						
Nonwovens	50,477	50,839	-0.7	499,278	428,752	16.4						
Monofilament & Multifilament Fibers	53,108	49,881	6.5	579,679	668,314	-13.3						
Slit Film Fibers	55,570	66,644	-16.6	582,714	490,314	18.8						
Non-Textile Monofilaments	7,839	9,381	-16.4	99,040	85,798	15.4						
Pipe and Conduit	D5	D5		D5	D5							
Other Extruded Products	11,690	9,404	N/C	106,440	82,226	N/C						
Resellers/Distributors/Compounders, Total	137,809	138,112	-0.2	1,271,220	1,124,273	13.1						
Resellers	45,888	90,066 C	N/C	459,297	756,675 C	N/C						
Distributors	36,740	N/A		342,972	N/A							
Compounders	55,181	48,046	14.9	468,951	367,598	27.6						
All Other Uses	7,362	5,889	25.0	71,346	58,997	20.9						

D5 = Disclosure: Included in Other Extruded Products.
D = Disclosure
C = Reported as Resellers and Distributors in 1989.

N/C = Not Comparable
N/A = Not Available
R = Revision

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYSTYRENE RESINS, TOTAL (E)	447,277	451,813	-1.0	4,396,790	4,342,259	1.3	430,502	429,051	0.3	4,239,050	4,287,812	-1.1
Crystal (Solid) Polystyrene	242,934	242,318 A	N/C	2,353,517	2,331,449 A	N/C	174,825	237,946 A	N/C	1,676,843	2,344,903 A	N/C
Rubber Modified Polystyrene	204,343	209,495	-2.5	2,043,273	2,010,810	1.6	184,867	191,105	-3.3	1,947,112	1,942,909	0.2
Expandable Polystyrene	D13			D13			70,810			615,095		
Exports, Total	16,492	22,898	-28.0	157,047	185,992	-15.6						
Crystal (Solid) Polystyrene	10,214	13,784 A	N/C	91,089	102,710 A	N/C						
Rubber Modified Polystyrene	6,278	9,114	-31.1	65,958	83,282	-20.8						
Expandable Polystyrene	D13			D13								
Domestic, Total	430,785	428,915	0.4	4,239,743	4,156,267	2.0						
Molding	156,480	174,134	-10.1	1,494,010	1,700,884	-12.2						
Extrusion	199,292	179,248	11.2	2,048,506	1,752,967	16.9						
Expandable Polystyrene	62,019	63,169	-1.8	575,183	573,380	0.3						
Block	28,487	25,042	13.8	227,618	221,849	2.6						
Shape	14,557	14,559	0.0	128,768	124,625	3.3						
Loose Fill	D6	D6		D6	D6							
Other EPS	18,975	23,568	-19.5	218,797	226,906	-3.6						
All Other Uses	12,994	12,364	5.1	122,044	129,036	-5.4						
Polystyrene End-Uses, Total	430,785	428,915	0.4	4,239,743	4,156,267	2.0						
Packaging & One Time Use	155,533	156,309 B	-0.5	1,640,138	1,600,879 B	2.5						
Consumer & Institutional Products	46,150	52,068	-11.4	451,649	589,745	-23.4						
Electrical/Electronics	63,323	66,019	-4.1	583,927	539,099	8.3						
Furniture,Furnishings,Bldg. & Construction	30,756	29,414	4.6	279,242	259,369	7.7						
Expandable Polystyrene	62,019	63,169	-1.8	575,183	573,380	0.3						
Resellers and Compounders	55,532	48,434	14.7	533,306	445,650	19.7						
All Other End-Uses	17,472	13,502	29.4	176,298	148,145	19.0						

E = Estimate – Data includes estimates for one company.
D13 = Included in Crystal(Solid) Polystyrene
A = Reported as Straight Polystyrene in 1989.
B = Consists of Packaging & Disposable Food Serviceware lines reported in 1989.

N/C = Not Comparable
D = Disclosure
D6 = Disclosure: Included in Other EPS

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
ABS (ACRYLONITRILE-BUTADIENE-STYRENE), TOTAL	109,386	113,274	-3.4	1,010,662	1,049,062	-3.7	118,936	103,483	14.9	993,432	1,103,101	-9.9
SAN (STYRENE-ACRYLONITRILE), TOTAL	14,148	10,309	37.2	116,723	93,060	25.4	14,243	9,664	47.4	113,845	98,450	15.6
Total Exports	6,764	2,628	157.4	44,101	29,925	47.4						
Total Domestic	7,384	7,681	-3.9	72,622	63,135	15.0						
OTHER STYRENICS (40% OR MORE STYRENE), TOTAL	12,138	13,351	-9.1	127,112	130,056	-2.3	12,588	10,310	22.1	119,307	117,270	1.7
ABS, SAN, & OTHER STYRENICS, TOTAL	135,672	136,934	-0.9	1,254,497	1,272,178	-1.4	145,767	123,457	18.1	1,226,584	1,318,821	-7.0
Total Exports	22,522	N.R.1		196,340	N.R.1							
Total Domestic	113,150	136,934	-17.4	1,058,157	1,272,178	-16.8						
Electrical/Electronics	D2	N.R.2		D2	N.R.2							
Building & Construction	11,578	13,074	-11.4	115,735	125,603	-7.9						
Transportation	37,037	37,754	-1.9	324,884	331,817	-2.1						
Consumer & Institutional	13,436	N.R.2		149,310	N.R.2							
All Other Uses	51,099	86,106	N/C	468,228	814,758	N/C						
STYRENE BASED LATEXES, TOTAL*	93,823	90,894	3.2	914,016	868,756	5.2	88,673	92,737	-4.4	865,480	835,559	3.6
Carpet Backing	35,091	34,189	2.6	337,587	319,532	5.7						
All Other Uses	58,732	56,705 J	3.6	576,429	549,224 J	5.0						
NYLON RESINS, TOTAL(6)	51,076	52,203	-2.2	486,615	489,873	-0.7	N/A	N/A		N/A	N/A	
Imports, Total							N/A	N/A		N/A	N/A	
Exports, Total	7,664	7,643	0.3	65,605	65,638	-0.1						
Domestic, Total	43,412	44,560	-2.6	421,010	424,235	-0.8	51,039	49,838	2.4	481,976	482,122	0.0
Injection Molding Grade	26,345	26,922	-2.1	249,201	254,486	-2.1						
Extrusion Grade	12,840	13,562	-5.3	132,118	125,280	5.5						
Resellers & Compounders	3,377	3,197	5.6	30,961	32,162	-3.7						
All Other Uses	850	879	-3.3	8,730	12,307	-29.1						
Nylon End-Uses, Total	43,412	44,560	-2.6	421,010	424,235	-0.8						
Automotive and Truck	15,801	N/A		143,601	N/A							
Electrical and Electronic	4,880	N/A		50,727	N/A							
Appliances	1,374	N/A		12,278	N/A							
Film and Coating	6,147	N/A		64,755	N/A							
Wire and Cable	2,985	N/A		28,905	N/A							
Monofilament	1,336	N/A		17,685	N/A							
Consumer	1,698	N/A		17,926	N/A							
Industrial/Machinery	3,818	N/A		37,315	N/A							
All Other End-Uses	5,373	N/A		47,818	N/A							

N.R.1 – Not Reported; Included in Total Domestic and All Other Uses.
N.R.2 – Not Reported; Included in All Other Uses.
* – Styrene Based Latexes Sales include some Canadian produced material.
J = Consists of All Other Uses, Paper Treating, and Textile Treating Lines reported in 1989.
N/C – Not Comparable.

N/A = Not Available
(6) – Inciudes sales from imports.
D2 = Disclosure: Included in All Other Uses.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (DRY RESIN CONTENT)	814,441	776,698	4.9	7,731,515 R	7,149,698	8.1	801,046	721,712	11.0	7,621,890 R	7,122,489	7.0
Homopolymer Resins, Including Blending & Latex	750,382	710,185	5.7	7,146,089 R	6,539,554	9.3	732,057	650,391	12.6	7,015,162 R	6,514,203	7.7
Copolymer Resins, Including Blending & Latex	15,459	19,466	-20.6	162,473 R	184,861	-12.1	22,979	24,033	-4.4	174,377 R	180,970	-3.6
Dispersion Resins	48,600	47,047	3.3	422,953	425,283	-0.5	46,010	47,288	-2.7	432,351	427,316	1.2
Exports, Total	71,302	124,678	-42.4	752,444 R	709,950	6.0						
Domestic, Total	742,639	652,020	13.9	6,979,071 R	6,439,748	8.4						
Calendering, Total	95,245	80,771	17.9	858,778 R	772,339	11.2						
Flooring	18,147	20,607	-11.9	182,528 R	182,420	0.1						
Textile	7,383	8,444	-12.6	84,003 R	101,977	-17.6						
All Other Calendering Uses	69,715	51,720	34.8	592,247 R	487,942	21.4						
Coating, Total	30,279	32,303	-6.3	281,170 R	305,849	-8.1						
Flooring	14,344	14,485	-1.0	124,543 R	129,183	-3.6						
Textile and Paper Coating	8,917	9,668	-7.8	82,084	89,633	-8.4						
Protective Coatings	3,856	4,179	-7.7	40,961	42,928	-4.6						
Adhesives & All Other Coating Uses	3,162	3,971	-20.4	33,582 R	44,105	-23.9						
Extrusion, Total	510,003	424,662	20.1	4,785,150 R	4,322,055	10.7						
Wire and Cable	33,088	34,966	-5.4	318,895 R	328,184	-2.8						
Film and Sheet, Packaging	25,832	27,005	-4.3	253,721	271,484	-6.5						
Film and Sheet, Non-Packaging	2,278	3,333	-31.7	35,047 R	43,475	-19.4						
Siding, Siding Acc. & Moble Home Skirting	74,962	64,528	16.2	719,969 R	648,768	11.0						
Rigid Pipe and Tubing (except fittings)	323,326	245,417	31.7	2,960,860 R	2,565,017	15.4						
All Other Extrusion Uses	50,517	49,413	2.2	496,658 R	465,127	6.8						
Molding, Total	43,535	45,191	-3.7	429,892 R	439,439	-2.2						
Bottles	23,273	19,501	19.3	192,236 R	182,069	5.6						
Fittings (Rigid Pipe and Tubing)	13,454	11,630	15.7	139,014 R	127,530	9.0						
All Other Molding Uses	6,808	14,060	-51.6	98,642 R	129,840	-24.0						
Paste Processes (except coating), Total	16,994	15,132	12.3	157,240	148,519	5.9						
Plastisol Formulation	9,987	8,513	17.3	86,926	80,491	8.0						
All Other Paste Process Uses	7,007	6,619	5.9	70,314	68,028	3.4						
Resellers & Compounders	33,871	27,178	24.6	314,940 R	266,178	18.3						
All Other Uses	12,712	26,783	-52.5	151,901 R	185,369	-18.1						

R = Revision.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	OCTOBER			YEAR-TO-DATE			OCTOBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)												
Exports, Total												
Domestic, Total												
Emulsion Paints												
Adhesives, Caulks and Sealants												
Paper Treating & Paper Coating												
Textile Treating												
Non-Woven Binders												
All Other Uses												
POLYVINYL ALCOHOL, TOTAL (3)												
Exports, Total												
Domestic, Total												
OTHER VINYL RESINS, TOTAL (4)	15,480	17,5	-11.7	157,813	167,295	-5.7	19,979	18,430	8.4	184,509	184,944	-0.2
Exports, Total	5,451	6,598	-17.4	55,758	59,784	-6.7						
Domestic, Total	10,029	10,942	-8.3	102,055	107,511	-5.1						
THERMOPLASTIC POLYESTER, TOTAL (6)	156,953	144,458	8.6	1,575,224	1,413,159	11.5	151,954	147,656	2.9	1,553,077	1,357,518	14.4
Exports, Total	29,796	24,874	19.8	305,829	246,676	24.0						
PET Bottle Grade Resin, Exports	D	D		D	D							
All Other Exports	D	D		D	D							
Domestic, Total	127,157	119,584	6.3	1,269,395	1,166,483	8.8						
Domestic PET	N.R.	N.R.		N.R.	N.R.							
Solid State Phase Resin	D12	D12		D12	D12							
PET Bottle Grades	83,108	79,865	4.1	883,187	781,775	13.0						
PET/PBT Resellers & Compounders	N.R.4	N/A		N.R.4	N/A							
All Other Thermoplastic Polyester	44,049	39,719	10.9	386,208	384,708	0.4						

(2) – The publishing of PVAC data has been suspended.

(3) – The publishing of PVOH data has been suspended.

(4) – Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

D12 = Disclosure: Included in All Other Thermoplastic Polyester.

N.R.4 = Not Reported: Included in All Other Thermoplastic Polyester.

N.R. = Not Reported

D = Disclosure

(6) – Includes sales from imports.

AY920-5

The Society of the
Plastics Industry, Inc.

Monthly Statistical Report - Resins

SPI

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FOR THE MONTH AND PERIOD ENDED

SEPTEMBER 30, 1990

DATA FOR CALCULATING APPARENT CONSUMPTION OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

Release Date: December 17, 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC. CRS

MONTHLY STATISTICAL REPORT

(Millions of pounds, dry weight basis)(1) SEPTEMBER 1990

RESIN KIND	SEPTEMBER				YEAR-TO-DATE			
	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*
EPOXY RESIN, TOTAL	43.3	32.0	2.0	6.3	386.2	289.5	14.2	54.0
POLYESTER (UNSATURATED) RESINS, TOTAL	98.3	95.7	0.6	8.9	970.7 R	943.7 R	5.8	74.5
UREA RESINS, TOTAL **	131.6	122.7	1.5	3.5	1,156.7 R	1,113.1 R	14.9	30.6
MELAMINE RESINS, TOTAL **	17.0	13.7	0.5	1.5	151.2 R	132.4 R	3.6	11.5
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	256.7	249.1	3.2	8.1	2,269.0	2,232.7	31.4	74.9
THERMOSETTING RESINS, TOTAL	546.9	513.2	7.8	28.3	4,933.8 R	4,711.4 R	69.9	245.5
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	608.0	558.9	20.1	58.6	5,416.9	4,719.1	177.2	577.0
LINEAR LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	338.7	430.2	86.6	28.0	2,811.6 R	3,321.9 R	623.3	201.9
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	678.5	696.8	39.5	74.4	6,099.4 R	5,818.5	382.3	650.3
POLYPROPYLENE, TOTAL	691.3	589.3	2.6	159.5	6,165.3	5,035.0 R	41.6	1,315.6
ABS RESINS, TOTAL ** (ACRYLONITRILE-BUTADIENE-STYRENE)	93.0	105.8	6.6	18.8	874.5 R	901.3	60.2	134.2
SAN (STYRENE-ACRYLONITRILE) RESINS, TOTAL	11.5	8.2	0.4	6.6	99.6	65.2	5.0	57.9
OTHER STYRENICS **	97.1	99.0	0.4	15.6	883.5 R	935.2	3.3	130.7
POLYSTYRENE RESINS, TOTAL	453.7	441.0	8.8	22.8	3,808.5	3,809.0	64.4	223.8
NYLON RESINS, TOTAL (6)	47.0	44.3	5.8	12.9	430.9 R	377.6	59.4	118.3
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	775.2	719.5	12.9	66.1	6,818.7	6,259.8 R	109.4	674.6
VINYL ACETATE MONOMER								
FOR POLYVINYL ACETATE, TOTAL (4)								
POLYVINYL ALCOHOL, TOTAL (4)								
OTHER VINYL RESINS	18.7	9.6	N/A	N/A	164.5 R	92.0	N/A	N/A
THERMOPLASTIC POLYESTER, TOTAL (6)	160.9	138.8	7.8	35.8	1,401.1	1,142.2	54.4	344.4
THERMOPLASTIC RESINS, TOTAL	3,973.6	3,841.4	191.5	499.1	34,974.5 R	32,476.8 R	1,580.5	4,428.7
GRAND TOTAL	4,520.5	4,354.6	199.3	527.4	39,908.3 R	37,188.2 R	1,650.4	4,674.2

(1) = Except phenolic resins which are reported on a gross weight basis.

(4) = The publishing of PVOH + PVAC data is temporarily suspended.

* Except for Epoxy Resin, Bureau of Census exports will differ from exports published in the SPI Monthly Statistical Report.

** = Domestic Sales include Exports.

(6) = Data Includes Sales from Imports.

Monthly and Year-To-Date totals may not agree due to government revisions and rounding.

N/A = Not Available

R = Revision

Sources: Sales and Production – SPI Monthly Statistical Report

Imports – Bureau of the Census (IM 145)

Exports – Bureau of the Census (EM 545)

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

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